

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-16 (Canceled).

Claim 17 (New): A process for producing surfaces with self-cleaning properties by applying particles to the surface and securing the particles within the surface, thus forming elevations whose separation is from 20 nm to 100 μ m and whose height is from 20 nm to 100 μ m, the process comprising:

applying the particles through spray-application of the particles by a hot air stream whose temperature softens a material of the surface to be treated to a degree such that at least part of a periphery of the particles can penetrate the material of the surface, and such that the particles that have penetrated, at least to some extent, the material of the surface are secured within the surface on cooling of the substrate.

Claim 18 (New): The process as claimed in claim 17, wherein the material of the surface is selected from thermoplastics, or from low-melting-point metals or alloys selected from tin, lead, Wood's metal, gallium, or soft solder.

Claim 19 (New): The process as claimed in claim 17, wherein the surface is the surface of a film, of a three-dimensional article, or of a molding.

Claim 20 (New) The process as claimed in claim 17, wherein the hot air stream is produced electrically or by combustion of combustible gases.

Claim 21 (New): The process as claimed in claim 17, wherein the particles are added to the air stream before or after the air stream is heated.

Claim 22 (New): The process as claimed in claim 17, wherein the particles have a surface with an irregular fine structure in the nanometer range.

Claim 23 (New): The process as claimed in claim 17, wherein the particles have an average particle diameter from 0.02 to 100 μm .

Claim 24 (New): The process as claimed in claim 23, wherein the particles have an average particle diameter from 0.1 to 30 μm .

Claim 25 (New): The process as claimed in claim 17, wherein the particles are selected from silicates, minerals, metals oxides, metal powders, silicas, pigments, HT polymers.

Claim 26 (New): The process as claimed in claim 17, wherein the particles are selected from fumed silicas, precipitated silicas, aluminum oxide, silicon dioxide, doped silicates, and pulverulent HT polymers.

Claim 27 (New): The process as claimed in claim 17, wherein the particles are equipped with hydrophobic properties through treatment with at least one compound selected from the group consisting of alkyl silanes, fluoroalkyl silanes, and disilazanes.

Claim 28 (New): A self-cleaning surface produced by a process as claimed in claim 17.

Claim 29 (New): The surface as claimed in claim 28, which has elevations formed from particles, wherein the elevations have a separation from 20 nm to 100 μ m and a height of from 20 nm to 100 μ m.

Claim 30 (New): The surface as claimed in claim 28, which is the surface of a textile, of a film, of a three-dimensional article, of a molding.

Claim 31 (New): The use of the process as claimed in claim 17 for coating of articles exposed to high levels of contamination by dirt and water, in particular for outdoor sector, ski sports, alpine sports, motor sports, motorcycle sports, motocross sports, sailing sports, textiles for leisure sector, or for coating technical textiles selected from tenting, awnings, umbrellas, table covers, cabriolet covers, and workwear.

Claim 32 (New): An article with a surface as claimed in 28, which encompasses films, consumer articles, sports items, textiles, clothing, and moldings.